

TECH TORQUE

Brisbane based Quantum Racing has expanded its extensive product range to include personal cooling systems just in time for summer.

Operating under the name Quantum Chill, the company has just about any application to keep you cool on the track from short to long distance racing.

Director Scott Cooper, who has worked in the motor industry for over 20 years, said the cool shirts would help make racing safer.

"I've dealt with many race teams and race drivers throughout Australia and know the stressful conditions drivers are under when they are in their cars," Scott said.

"When you perspire, half of your blood moves to the skin to produce perspiration to naturally cool the body. This means the rest of your organs, including the brain and your muscles, are operating on half the blood they normally get.

"What this means when you are driving a race car is that the driver's fatigue and their decision-making is affected, which of course is critical when you are going fast."

The shirts are designed to maintain, or quickly return, core body temperatures to normal levels. The cooling systems have an internal pump unit that contains ice and water, which travels to the shirt through a connector hose.

"The medical grade capillary tubing covers 30-40% of a driver's body and is designed to cool the blood next to the skin so that the normal blood flow reaches the organs that need it most under duress. The system can keep a driver cool for up to four hours."

"Every one of our systems can be temperature controlled so that the driver doesn't get too cold," Scott said.

"This allows faster, more efficient maintenance of the body's optimum core temperature, therefore preventing heat fatigue and heat stroke.

"Not only will it help drivers stay cool in our extreme temperatures, but it's another great safety measure for drivers, which we can never have too much of.

The most popular product from the range is the Defender and Hans-Friendly, compact Club 12 System (weighing just over 1kg) and Cool Shirt. The shirt is made of lightweight cotton, can be worn comfortably for long periods of time and is suitable for road racing, circle tracks and drags.

Not only has Quantum Racing got the drivers covered, but also pit crews and spectators will keep their cool with our new Aqua Vest. The Aqua Vest is the most economical, simplest and portable cooling system in our range. It works by simply submerging in water for a minute and the unique polymer embedded fabric liner will keep you cool for up to eight years. We have a large range of colours and sizes available.

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Pro Air and Water System
(helmet not included).

Portable Bag System
and Cool Shirt

Aqua Vest

Club System and Cool Shirt

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